

ABSTRACT OF THE DISCLOSURE

5 A solid-state device includes a terminal having a plurality of fingers that
are arranged so that the device is heat transfer balanced. The fingers are arranged
in a row and are spaced non-uniformly. Preferably, each of the fingers is
associated with a corresponding one of a plurality of sub-cells, the sub-cells being
arranged in at least one row and being spaced so that at least one of consecutive
adjacent pairs of the sub-cells are spaced differently. The peak oscillation
10 frequency, f_{\max} , associated with the device is generally independent of the number
of, for example, emitter finger